

Allen County HamNews

Fort Wayne Radio Club

Allen County Amateur Radio Technical Society

May 2004

Volume 5 Issue 5



Amateur Radio Military Appreciation Day

Talk to Military troops, and associated groups around the globe in Appreciation of their Service and Sacrifice.

May 29, 2004 at 10:00 AM until 7:00 PM est.

Location: Wizards Memorial Stadium
Also in Cities and Military Bases around the World.

For information go to: www.nmam.org, and www.fortwayneradioclub.org and www.acarts.com

KB9IBW-Emery McClendon / Event Mgr.

Operations:

Station Call :: KB9IBW

IRLP node # 9205/ Indiana reflector and #8380-w9fez

Echolink # 106819-kb9ibw and 16686-kb9rlw

PSK-31 and most HF bands in the General portion

Stations ID with ARMAD your call, and location

Echolink stations please change FREE and BUSY screen to ARMAD for easy ID

Raymond J. Cronin, K9KI - SK



RAYMOND J. CRONIN, 67, of Fort Wayne, died Monday, April 26, 2004, at Parkview Memorial Hospital, Fort Wayne. Born in Niagara Falls, N.Y., he was an Electrical Engineer with Raytheon System Co. for 34 years, retiring in 2001. He was a member of ARRL, Fort Wayne Radio Club, ACARTS, and St. Charles Borromeo Catholic Church. Survivors include his wife, DeSales of Fort Wayne; son, Patrick J. Cronin of Fort Wayne; daughter, Janice (Thomas) Shoaff of Elburn, Ill; and two grandchildren, Kaylee and Zachary Shoaff. He was preceded in death by a son, John Cronin, in 2001; and brother, Donald Cronin, in 2003. Memorials to Masses in Raymond's name.

condensed from: Fort Wayne Newspapers from 5/1/2004 - 5/3/2004.

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Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN) and the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN).

Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, wb9uza@arrl.net. Please put "for newsletter" in the subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755.

Deadline for June issue is Friday, 6/4/04.

Please do NOT send anything in all caps!!

Internet Home Pages:

Fort Wayne Radio Club:

<http://www.fortwayneradioclub.org>

ACARTS:

<http://www.acarts.com>

Ft Wayne DX Association:

<http://www.qsl.net/fwdxa/>

Hamsplatter

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President's Corner



May and June must be two of the busiest months on our calendar!

As I look at the calendar over the next two months the first major event is the Dayton Hamvention coming up May 14-16th. We have no bus scheduled for this year but each of the last several years we have had an increasing number of requests to do the bus ride again. We will look into the feasibility of doing the bus trip for next year. If you have an interest let one of the board members know now. And have fun in Dayton this year!

The following week, Friday May 21st, will be the Fort Wayne Radio Club general meeting. As always the May meeting is the annual Spring Banquet. This is going to be a lot of fun this year. And Carole Burke has lined up some excellent entertainment for this year. We will be having the Grass Roots bluegrass band performing live at the banquet. This again will be a carry in affair. You may begin setting up your dish to pass at 6:30 PM and we will get started by 6:45 PM. Be sure to make the banquet this year. The food, the fellowship, and the entertainment will all be great!

Then just one weekend later, on Saturday May 29th, will be the Amateur Radio Military Appreciation Day or ARMAD. Emery, KB9IBW, has done an excellent job organizing this event. And Richard, N9HRA, is Emery's contact for local clubs in the Northeast Indiana and Northwest Ohio areas. If you are interest in what you can do please contact Richard. And be at the Wizard's game on Saturday May 29th.

And then comes June. June is Field Day! The spot we have used at the Girl Scout camp is reserved and the preparations are underway. As always, the June general meeting on Friday June 18th will be our final preparations for Field Day. This is an important planning meeting so

please attend. And if you haven't been to Field Day in a few years come out and give it a try. There will be plenty of no pressure opportunities to get on the air and have some fun. We will again do QRP night on Friday June 25th. This will be at least the third year for QRP night and it is a great night of campfires and experimenting with QRP. Saturday June 26th we will begin our official setup between 7:30 AM and 8:00 AM. We always need plenty of hands for the tower and antennas. 24 hours of operating fun from 1:00 PM Saturday until 1:00 PM Sunday. And please stay and help with the tear down as well after 1:00 PM on Saturday.

If you are not active in your local radio club then start today. There are plenty of activities for anyone's interest. Your local radio clubs deserve your support! See you at the club activities!

Tom / N9TB

May Spring Banquet

Friday, May 21, 6:30 PM



Fort Wayne Radio Club Spring Banquet & Field Day

The Fort Wayne Radio Club Spring Banquet will be Friday, May 21, 2004, 6:30 PM at Good Shepherd United Methodist Church. As in previous years, it will be a total carry-in, with the club providing place settings, coffee and punch. We have some great entertainment lined up, a bluegrass band, Grass Roots. They are out of Hometown and very good. So, bring a dish to share and an appetite and enjoy the food, music and friends.

Field Day, 2004

Field Day is fast approaching so therefore I am planning another meal. We are back to having a hog roast this year. I don't have all the details worked out yet, but it looks like dinner should be about \$10.00, maybe less if I can work some magic. The only thing we will need to have brought in will be desserts. More specific details will be in next month's newsletter. I hope we see a lot of club members along with family there.

Carole Burke, WB9RUS

New Morse "@" Character Official

The International Morse code officially gains a new character on May 3. That's when the now-familiar "@" symbol joins the Morse lexicon as the letters "AC" run together (.-.-.). Known as the "commercial at" or "commat," the @ symbol never rose to the level of usage that demanded a unique Morse character until it gained currency as a critical component of e-mail addresses during the past decade or so.

Last December, the International Telecommunication Union Radiocommunication Sector (ITU-R) Study Group 8 agreed on the wording of a Draft New Recommendation ITU-R M.[MORSE] that specified the international Morse code character set and transmission procedures and included the new Morse code character.

The pending change has attracted some attention in the media, including mentions on National Public Radio's All Things Considered and in The New York Times.

FWRC April Minutes

The April meeting of the FWRC was called to order at 7:00 p.m. on April 16th by President Tom Baker, N9TB. After the usual introductions, the financial report was read by W8ST, Bob Streeter. Bob reported our income at \$1359.29, our expenses at \$717.71, cash on hand at \$63.80, and balance of our savings and checking accounts at \$7247.42.



Discussion of new business followed. The April 24th March Of Dimes walk-a-thon was mentioned, as was the one-day technician class on the same day at the Boy Scout office. After a brief mention of the Dayton Hamvention, the subject was changed to the May 21st FWRC banquet, which is a carry-in with entertainment this year to be a Blue Grass Band.

On May 1st, there was to be a VEC test session, also at the Boy Scout office near I-69 and US-24. Tom then turned to the subject of Field Day, which will again be held at the McMillen Girl Scout Camp on June 25th, 26th, and 27th. The Friday night before FD was to be "QRP" night, as in the last two years. On June 12th, two weeks prior to FD, will be the Diabetes Walk.

The tailgate hamfest for the August meeting was next to be discussed. Larry, KB9OS, was working on combining this popular meeting with Pembleton's Electronics, but a definite date had not been set. Also in August will be the FWRC Nelson's Port-O-Pit Chicken fund raiser.

Tom mentioned next that the repeater controller fund was still in effect, and that we needed more money to reach our goal of \$400, which would be matched by the club to provide enough for the 146.94's new controller.

The business portion of the meeting was adjourned at 7:30. Following the 50/50 drawing and a donut break, the first of two presentations was begun by Richard Andrew, N9HRA, who talked about the upcoming (May 29th) ARMAD special event station at Memorial Stadium. Jim Moehring, KB9WWM, followed with a discussion of the on-line ARECC course that he was taking.

The meeting was finally adjourned for the evening at about 8:40 p.m.

Steve, WB9ZIY

STATE OF THE ARTS

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P.O. Box 10342, Fort Wayne, IN

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President's Message



NOTICE !!! NOTICE!!! WE ARE MOVING. Starting this month, we will be holding our meetings at the Salvation Army Center. The Center is on Clinton St., a few blocks south of Turnstone. The entrance is in the rear off of Eastbrook Dr. Use the last south door. Since the doors have to remain locked after business hours, we will have a doorbell set up to let us know when someone is at the door.

The May program will be on digital cameras. If you have been thinking about buying a digital camera, come to the meeting before you buy. Find out all the things you should know about digital cameras. The program will be given by Dave Lindquist, W9LKH. Some other activities going on this month are, the Dayton Hamfest which is the 14th - 16th. There will be a special events station for Military Appreciation Month on May 29, 2004. For more information contact Emery, KB9IBW, the event manager.

We are still in need of people to fill two positions on our board. We need a Secretary, and a Activities Manager. The Secretary takes minutes of the meetings, and maintains the club database. The Secretary also prints out the labels to mail out the newsletter. This requires a computer. The Activities Manager sets up the programs for the meetings, and gets the refreshments. Some of the meetings have a set program as it is something we do each year, such as SkyWarn and the Spring Banquet. Since we have not had a Activities Manager for a few years, the board has been trying to come up with program ideas. We need your input for some topics. If there is something you want to see let us know. If you know of someone who may be of interest, let us know. We have a nice new facility to meet in, and will have a regular room we can depend on. If you are interested in one of these positions, let me know.

Not a whole lot more to report this month. I have been busy looking for a new job, since the place I worked for closed their Fort Wayne store. See you at the meeting.

73,
Vic, KA9LTV

Meeting Schedule

New meeting location: Salvation Army Center, 2901 N Clinton St. (See Map)

ACARTS May Meeting: Tue, May 18
Program: Digital Cameras by Dave Lindquist, W9LKH

Next Board Meeting: 6/8/04

All members are encouraged to attend.





April 2004 ACARTS Board Meeting Minutes

The meeting was called to order by Vic, KA9LTV.

Vic stated that approval from the Salvation Army board for use of their building for club meetings was still pending. He said that he had sent them a schedule of our requested dates.

Vic reminded everyone that the spring banquet would be held at Ryan's on Tuesday, April 20, 2004.

Vic, WB9UZA, said the he had a video on tornado chasing that could be used as a program at a future meeting.

Joel, KB9RH, reported that there had been no severe weather in the area so far this year. He added that the number of severe weather outbreaks has been down all across the country.

Jim, KB9IH, said that a decision had to be made about elimination the shuttle at the hamfest this year. Cost of providing the shuttle has increased and there was very little use last year. The board voted to eliminate the shuttle to reduce expenses.

The meeting was adjourned at 8:10 pm.

Submitted by Dave Lindquist, W9LKH



ACARTS needs YOU!

**ACARTS is looking for people to fill
2 key positions:**

Secretary

Activities Manager

Call any board member to apply.

Young Ham Aids Effort To Rescue Classmate

from *The ARRL Letter* – Jordan Webb, KI4AVG, of Knoxville, Tennessee, had a feeling he should take his 2-meter handheld transceiver along on an April 30 field trip. Heading off with his eighth-grade class to remote Abrams Falls in Tennessee's Smoky Mountains, the 13-year-old decided to throw his handheld into his backpack--just in case.

"I didn't think I would have to use my Icom V-8, but I packed it anyway," Webb told ARRL.

As it turned out, while swimming Vine Middle Magnet School classmate Christopher Drinkard was pulled under the water of Cades Cove by strong currents from Abrams Falls. Webb and another classmate, Zach Hubbs, jumped into the water to help Drinkard when Webb remembered the radio in his backpack.

Webb alerted a teacher that he had his radio and hoped that if he could get to high-enough ground, he might be able to call for help. After scrambling up a hill, he was able to contact Jim Bond, K6SPY, in Knoxville. Bond alerted authorities to the situation, and emergency medical personnel were able to respond relatively quickly to the isolated area. If someone had had to hike out, it would have taken considerably longer. Unfortunately, despite rescue workers' quick response, Drinkard did not survive.

Tennessee Assistant Section Manager David Bower, K4PZT, observed that the incident occurred in a part of the Smoky Mountains where cell phones typically don't work. "Ham radio was the means used to request help when this emergency first happened," he said.

A ham for about one year, Webb is a member of the Anderson County Amateur Radio Emergency Service, the Radio Amateur Club of Knoxville and several other ham radio groups in the Knoxville area.

Anderson County ARES Emergency Coordinator Jeff Yawn, KF4UVT, said Webb has spent Kid's Day in his shack, and he called him "a fine, upstanding young man."

"I know he did all he could to help his friend," Yawn added.



BPL - a Grassroots Campaign

With the statement by President George W. Bush in Minneapolis on April 26th that he supports BPL, it is most important that all Amateur Radio Operators join in a grassroots campaign. It is most urgent that we go on record as not supporting the President's position on BPL. I urge you to contact the White House, your Senators and Representa-

tives by letter, e-mail, FAX, or telephone expressing your opposition to BPL technologies.

E-mails can be sent directly to the White House using president@whitehouse.gov <<mailto:president@whitehouse.gov>> or the online form that is available at: <<https://sawho14.eop.gov/PERSdata/intro.htm>>.

Telephone calls can be made to either: (202) 456-1111 (comments) or (202) 456-1414 (switchboard). Be ready to give a very short, concise statement. The operators are very good - they tally the calls.

The easiest and most common way to communicate with Congress is through letters and E-mails. Many people question whether there is a difference between a letter and an e-mail to a Member of Congress. The answer is yes and no. Both are treated equally as they come into the office. The difference comes in timeliness. Due to security procedures, e-mail may arrive at its intended recipient a bit quicker. Most local newspapers have the addresses of your Senators and Representatives.

When you mail or e-mail a letter or note to the President, or a Member of Congress, please send a copy of your correspondence to me. This will allow me to follow up with additional timely comments. Also, I will forward copies of your letters and e-mails to the ARRL's Washington Team for future follow-ups.

Draft letters to the President, and Members of Congress have been placed on the Indiana Section ARRL Website <<http://www.inarrrl.org/>> for your use and information. Also, there is a 2-page brochure in .pdf format that can be downloaded and printed to accompany your letters and e-mails.

I urge you to contact the White House, and Members of Congress in a quick and timely manner. This issue not only affects Amateur Radio, but a number of other communications services that are vital to our nation's security.

73, Jim Sellers K9ZBM, Indiana Section Manager
Indiana Section ARRL Website: www.inarrrl.org/

BPL Handout Available From ARRL

ARRL has posted a two-page document <<http://www.arrl.org/tis/info/HTML/plc/BPL-leave-behind.pdf>> that discusses Broadband over Power Line (BPL) in lay terms. "Broadband over Power Line: Why Amateur Radio is Concerned about its Deployment" is available for reprinting and use as a handout when, for example, dealing with members of Congress, municipal officials, power utilities and the news media.

While emphasizing that hams do not oppose broadband services per se and tend to be "early adopters" of new technology, the information sheet outlines Amateur Radio's concern about BPL's potential to create interference. Other broadband delivery methods "do not pollute the radio spectrum as BPL does," the paper states.

It also defines BPL, outlines its current deployment status, discusses FCC regulations already in place and explains that BPL's interference potential is real, not just theoretical. Finally, it lists "Others at risk," including short-wave listeners, public safety agencies and federal government radio systems.

Forget your CORES/FRN password?



Forget your CORES/FRN password?

It's possible to reset your CORES/FRN (Commission Registration System/FCC Registration Number) <<https://svartifoss2.fcc.gov/cores/Core-sHome.html>> password via the FCC Web site for electronic application filing. This might come in handy if you have forgotten your password, need to change it to another password or were automatically registered for CORES through a Volunteer Examiner Coordinator and don't know your password. Visit the secure "Forgot your Password" <<https://esupport.fcc.gov/password.htm>> Web site and complete all the required fields. You will need to supply your FCC Registration Number (available via ULS or through many on-line call sign servers, such as ARRL's) as well as your Taxpayer Identification Number (TIN), typically your Social Security number. Applicants also will need to supply name, e-mail address and telephone number.

Minor FCC Amateur Rule Changes Become Effective June 1

from *The ARRL Letter* – The FCC says minor amendments to various Amateur Radio (Part 97) rules become effective June 1. The regulatory changes, which the FCC made on its own motion rather than in reaction to any petitions, appeared May 5 in the Federal Register.

The most extensive and substantive rule change involves §97.307, Emission standards, where the FCC revised the wording of §97.307(d), which defines spurious emissions. The updated language imposes a slightly higher standard on newer transmitters or amplifiers of any power level. Starting June 1, the rule will provide that:

* the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed after January 1, 2003, must be at least 43 dB below the mean power of the fundamental emission.

* the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed on or before January 1, 2003, must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. If the mean power output of such as transmitter is less than 5 W, the attenuation must be at least 30 dB.

Still exempt from the provisions of §97.307(d) are transmitters built before April 15, 1977, or those first marketed before January 1, 1978.

The FCC also has redefined what constitutes an Amateur Radio operator. The change reflects the advent in the late 1990s of the Universal Licensing System <<http://wireless.fcc.gov/uls/>> electronic licensee database. Under the amended §97.3(a)(1) an amateur operator is “a person named in an amateur operator/primary license station grant on the ULS consolidated licensee database to be the control operator of an amateur station.” The current rule defines an amateur operator as “a person holding a written authorization to be the control operator of an amateur station.”

Another change eliminates Technician or Technician with Element 1 credit licensees from the classes of operators permitted to prepare Element 1 (5 WPM Morse) and Element 2 (Technician written) examinations.

The Commission ordered the rule changes and additional wording updates within the context of a larger, wide-ranging Notice of Proposed Rule Making (NPRM) in WT Docket 04-140. That NPRM

addresses several Amateur Radio-related petitions and proposes revisions to operating privileges (see “FCC Proposes Wide-Ranging Changes to Amateur Service Rules--Not Restructuring” <<http://www.arrl.org/news/stories/2004/04/15/102/>>). It also denied several petitions.

The FCC continues to seek comments on the various proposals put forth in WT Docket 04-140. Comments are due by Tuesday, June 15, and reply comments by Wednesday, June 30. Among other changes, the FCC has recommended adopting the ARRL’s “Novice refarming” plan <http://gullfoss2.fcc.gov/prod/ecfs/retrieve.cgi?native_or_pdf=pdf&id_documnt=6513084388>.



NTIA Study Documents Radio Interference From BPL

from *The ARRL Letter* — The first phase of a long-awaited broadband over power line (BPL) study the National Telecommunications and Information Administration (NTIA) released this week suggests it’s possible to accommodate BPL technology while managing the interference risk. In a cover letter to FCC Chairman Michael K. Powell, Acting NTIA Administrator Michael D. Gallagher pledged that the NTIA would “work with the Commission to establish a firm technical foundation for responsible deployment of BPL to protect critical federal communications systems.” But, Gallagher added, “technical rules governing their deployment must address potential harmful interference to critical systems.” Released April 27, NTIA Report 04-413 <<http://www.ntia.doc.gov/ntia-home/fccfilings/2004/bpl/index.html>> analyzes 10 million BPL system measurements.

“Most studies have been oriented to determine whether interference will occur at the variously proposed limits,” NTIA says in describing its study’s approach. “In contrast, NTIA has oriented its study to find a solution that accommodates BPL systems while appropriately managing the risk of interference to radio systems.” The NTIA acknowledges that BPL signals “unintentionally radiate” from power lines. But, the agency said, “there is substantial disagreement as to the strength of the emissions and their potential for causing interference to licensed radio systems.” The NTIA also said current FCC Part 15 measurement techniques may “significantly underestimate” peak BPL field strength.

The hefty, two-volume NTIA Phase 1 study looks at



Continued on pg. 9



For Sale & Wanted

For sale: From FWRC: Hy-Gain TH-4 tribander. Decent condition, on ground, needs new clamps. Contact Steve Nardin, WB9ZIY, 260-483-4039

* * *

For Sale 10' aluminum gin pole w/new rope. \$150.00 obo

Garry Roemke k9znj@earthlink.net

* * *

For Sale: I have a small business of making wooden call signs for ham radio operators and wooden names. My website address is www.woodnames.net if you would like to check it out. I have made a few ham radio call signs and have them posted on my site. Craig Celia, WWW.Woodnames.net

* * *

Basement Remodeling Sale: All must go.

1. Ham Radio Equipment:

- a. Kenwood TM-411 70 CM FM transceiver. 25 Watts. Has tilt front for easy viewing. Includes mounting bracket and manual. Requires external speaker which is included. \$90
- b. Tokyo HL-20U FM/SSB UHF mobile amplifier. 2W in ? 20W out. \$25
- c. Two Yaesu Memorizer 2M FM transceivers (both not 100% functional). \$7 each or 2/\$10

2. Power supplies - all 115V input and 13.8V output

- a. Micronta 2.25 amp output - \$5
- b. American Electronics 2 amp output - \$5
- c. Micronta 1.0 amp output (not the best regulation) - \$3
- d. Open frame style 1.7 amp output - \$4
- e. Open frame style 6 amp output - \$14

3. Power supply - 115V input with ± 15 volt at 1.2 amp each - \$5

4. Ham station desk. Make by Zero corporation, VERY sturdy steel table with 5' x 3' one inch thick formica top which is beveled at the front. Stands 29" high. Right side is for seating, left side has a 19 inch rack. Perfect for your ham station! Sold in 1979 for \$450. In excellent condition. See <http://www.acarts.com/images/workstation.jpg> for picture - \$40

5. Stereo audio amplifier - Kenwood KA-2002, 20 watts per channel. Classic mid 1970's amplifier in excellent condition. \$25

6. 12 band active stereo equalizer. Realistic 31-2009 \$17

7. Three battery operated (portable) cassette players. \$3 each

8. Computer switch boxes for parallel or serial cables. All connectors are 25 pin female DB-25's, and all pins are switched.

- a. 2 position - \$3
- b. 4 position - \$5

9. Audio signal generator. HP 200ABR rack mount audio generator. \$15

10. Assorted electronic components and enclosures

a. Assorted power transformers: single and multiple secondaries, mostly low voltage (less than 24 volts) of various current ratings. 35 transformers. \$10 for all.

b. Cardboard boxes of parts!

Boxes are 6 1/2" x 9" x 2 1/4" each. \$1.50 each or all for \$10

- 1. equipment knobs
- 2. variable/trimmer capacitors
- 3. terminal/barrier strips
- 4. heat sinks/insulators
- 5. equipment handles
- 6. plastic cable loops/tiedowns
- 7. resistors - 5-25 watts - 5 ohms and under
- 8. resistors - 5-25 watts - 5 to 100 ohms
- 9. resistors - 5-25 watts - 100 ohms and up
- 10. resistors - 30-75 watts metal bolt down

11. 120/240 V 3.5 amp Variac - \$5

Contact: Don Gagnon, WB8HQS, dongagnon@comcast.net, 260-484-3317

Hamvention To Combine Awards Presentation, Prize Drawings

from *The ARRL Letter* – Dayton Hamvention 2004 will cap three days of activities Friday through Sunday, May 14-16, with a combined awards presentation and prize drawing Sunday afternoon as Hamvention draws to a close. This is a change from past years, when awards presentations were held in conjunction with a Saturday evening banquet, now discontinued. The 2004 Hamvention awards ceremony/prize drawing activities will take place in the 7000-plus seat main arena at the Hara Arena complex Sunday at 1 PM.

This year's award winners include ARRL President Emeritus George S. Wilson III, W4OYI, who is the recipient of Hamvention's 2004 Special Achievement Award. Hamvention's awards committee cited Wilson for his decades of service to Amateur Radio through the ARRL, his public service and emergency communications work and his determination to overcome the debilitating effects of a 1995 stroke. Honored with Hamvention 2004's top award--Amateur of the Year--is Dave Kopacz, KY1V/VP5X. An ARRL member, Kopacz created and funded a program that gives young hams an opportunity each year to win an expenses-paid DXpedition trip. Receiving Hamvention's 2004 Technical Excellence Award is Barry Sanderson, KB9VAK, recognized for developing the RDFT multi-channel, multiphase slow-scan television modulation scheme.

Drawings for the winners of remaining unclaimed hourly prizes and the grand prize will follow the awards presentations.

"The world's largest amateur radio gathering and trade show" also has returned to its traditional name of "Dayton Hamvention," the sponsoring Dayton Amateur Radio Association has announced. The "Dayton" was

dropped from the Hamvention name a couple of years ago, although many amateurs long have referred to the event simply as "Dayton."

The 53rd Hamvention takes place at Hara Arena in Trotwood, Ohio, a Dayton suburb. The theme of this year's show is "The Year of the Contact." For more information, visit the Hamvention Web site <<http://www.hamvention.org/>>.

NTIA Study, Continued from pg. 8

BPL systems using the HF and low-VHF spectrum from 1.7 to 80 MHz and "defines risks of interference from BPL systems to local radio reception" while assuming the systems comply with existing Part 15 rules. That spectrum, NTIA said, is home to some 59,000 federal frequency assignments. The study proposes protecting 41 frequencies of the "most sensitive and likely most severely affected federal systems."

ARRL CEO David Sumner, K1ZZ, said the NTIA study clearly demonstrates that BPL systems pollute the radio spectrum. "How can any responsible public official encourage the deployment of such systems," he asked, "and how can any investor seriously consider pouring money into such an obviously flawed technology?"

Among interference mitigation techniques, the NTIA study recommends reducing BPL device output power--which it called "the single most effective method" of reducing interference potential--and "shifting or notching" BPL frequencies. Others included differential-mode signal injection, absorbing filters, adopting a "one active device per frequency and area" rule and using a single point of control for each BPL service area.

Continued on pg. 10

Regional Hamfests

<u>Date</u>	<u>Location</u>	<u>Contact Phone</u>	<u>URL or E-mail</u>
14-16 May 2004	Dayton, OH	937-276-6930	http://www.hamvention.org/
6 Jun 2004	Wabash, IN	talk-in: 147.03(+)	jknetro@kconline.com
20 Jun 2004	Crown Point, IN	219-662-0594	http://www.qsl.net/w9lj/
20 Jun 2004	Monroe, MI	734-242-9487	http://mcrca.org/hamfest.htm
10 Jul 2004	Indianapolis, IN	317-261-6658	http://www.indyhamfest.com/ (new location)
24 Jul 2004	Cincinnati, OH	513-251-1555	http://www.ohkyin.org
7 Aug 2004	Columbus, OH	614-846-7790	http://www.qsl.net/w8fez
15 Aug 2004	Joliet, IL	630-739-3740	http://www.w9dxcc.com

For more complete information go to <http://www.acarts.com/hamfests.htm> or <http://www.arrl.org/hamfests.html#listing>



Test Points

18-May-2004
 Sponsor: ANGOLALAND OF LAKES ARC
 (K9HD)
 Time: 6:00 PM (Walk-ins allowed)
 Contact: GENE A DIEHL
 (260)495-5715

Email: N9LCF@LOCL.NET
 VEC: ARRL/VEC
 Location: PLEASANT LAKE FIRE DEPT
 PLEASANT LAKE, IN 46779

22-May-2004
 Sponsor: UNSPONSORED
 Time: 2:00 PM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: EMA BLDG
 1220 LINCOLN HWY
 VAN WERT, OH 45891

08-Jul-2004
 Sponsor: GOSHEN ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: LYLE L LONG
 (574)875-8455
 Email: N1LL@JUNO.COM
 VEC: ARRL/VEC
 Location: GREENCROFT RETIREMENT CENTER
 HOMAN BUILDING
 GREENCROFT BLVD
 GREENCROFT RETIREMENT CTR
 GOSHEN, IN 46525

18-Jul-2004
 Sponsor: UNSPONSORED
 Time: 9:30 AM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: VAN WERT COUNTY FAIRGROUNDS
 1055 S WASHINGTON ST
 ADMINISTRATION BUILDING
 VAN WERT, OH 45891

07-Aug-2004
 Sponsor: FORT WAYNE VE TEAM
 Time: 9:00 AM (Walk-ins allowed)
 Contact: WILLIAM C HALL
 (260)485-3995
 Email: WD9HII@ARRL.NET
 VEC: W5YI VEC
 Location: BOY SCOUT HEADQUARTERS
 8315 W JEFFERSON BLVD
 FORT WAYNE, IN 46804

Test Session Results from the Fort Wayne VE Team

At the May 1 test session there were 8 candidates and 7 left the session with certificates of successful completion. Four qualified for their Technician license, one upgraded to General and one achieved Extra Class.

Congratulations to Dick Blair, Joe Householder, Jim Jenkins, Dave Van Dorn, Terry Bowman, Ricky Cocklin and Phil Hooper. We hope you enjoy your new privileges.

NTIA Study, Continued from pg. 9

Interference calculations by the NTIA engineers indicated that a BPL transmitter operating within Part 15 limits would significantly increase the noise floor for land-mobile receivers on frequencies below 30 MHz. The agency said it could be inferred from its calculations that "a vehicle-mounted HF receiver" operating in a residential neighborhood next to a BPL-energized line "may experience harmful interference" depending on the frequency, distance along the line from the BPL transmitter, the BPL transmitter's duty cycle and the number of BPL devices on the power line.

The NTIA study calculated that interference "is likely" to mobile stations in areas extending to 30 meters and to fixed stations in areas extending to 55 meters from a single BPL device and the power lines to which it's connected. With "low to moderate desired signal levels," the NTIA study continued, interference is likely at these receivers within areas extending to 75 meters for mobiles and 460 meters for fixed stations.

The NTIA says its Phase 2 study will "evaluate the effectiveness" of its Phase 1 recommendations and address potential interference via ionospheric propagation of BPL "from mature, large-scale" deployed BPL networks.

ECHO LINK Info

ECHO LINK NODE:

maintained by: KB9RLW
 Simplex Frequency: 145.700 FM only
 Node number: 16686
 Random connection: dial "00"
 Hang up or disconnect: dial "#"
 Identify: dial "*"

Membership Application for ☐ FWRC - and/or - ☐ ACARTS

Name: _____ Call sign: _____ License class: _____

Street address: _____ City: _____

State: _____ ZIP: _____-4 Phone #: (____) _____-_____ Unlisted? ☐ Yes

Email address: _____ ARRL Member? ☐ Yes

May we list your name, call & email address in our membership roster and on our club web site? ☐ Yes ☐ No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$6.00/yr. premium.

How would you like your newsletter delivered? ☐ by snail mail ☐ download from web site.

Fort Wayne Radio Club Dues

Regular membership ☐ \$15.00 / year
 Family membership ¹ ☐ \$21.00 / year
 Student membership ² ☐ \$6.00 / year
 Associate membership ³ ☐ \$15.00 / year
 Mailed newsletter ☐ \$6.00 / year

(Memberships for Jul - Dec are 1/2 the stated amounts.)

A.C.A.R.T.S. Dues

Regular membership ☐ \$12.00 / year
 Additional family members ¹ ☐ \$6.00 / year
 Student membership ² ☐ \$6.00 / year
 Associate membership ³ ☐ \$6.00 / year
 (New Regular memberships are \$1/month)

1. Please list all names and calls on an attached sheet.

2. K-12 or full time student

3. unlicensed member

4. 9 digit ZIP code required for US bulk mail

Please attach a check (number _____) for the appropriate amount and bring to a club meeting or mail to:

Fort Wayne Radio Club
 PO Box 15127
 Fort Wayne, IN 46885

A.C.A.R.T.S.
 PO Box 10342
 Fort Wayne, IN 46851

For dual membership, fill out both sides and send 2 checks to either club. **Payment by check is strongly encouraged!**

ACARTS Voice Repeaters

146.880 (-) General use / Skywarn priority
 147.255 (+) General use / Autopatch priority*
 443.800 (+) General use

(All repeaters have autopatch, but 88 has only speed dial emergency #'s.)

ACARTS Digital Repeaters (digipeaters)

144.390 (s) APRS - wide

Fort Wayne Radio Club Repeaters

Voice: 146.76 (-) General use
 146.94 (-) General use with autopatch
 146.91 (-) Autopatch only
 444.875 (+) General use
 ATV: 439.25 In, 910.250 Out, 144.340 Audio & control

Area Traffic Nets

(please submit any changes or corrections to the editor)

IMO: meets nightly at 6:30 p.m. (2330 UTC) on 146.88

Auburn: meets Mon., Tue., Wed., Thur., Fri., & Sat. at 6 p.m. (2300 UTC) on 147.36(+)

21 Repeater Group: meets each Wednesday at 9 p.m. (0200 UTC) on 147.150

Helping Hands Net: Mondays @ 9:00 p.m. 146.94(-)

Miscellaneous Nets

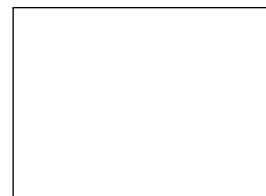
Huntington ARES: Saturday at 8:00 p.m. (0100 UTC) on 146.685

Whitley Co. / ARES: Wednesdays at 7:15 p.m. (0015 UTC) on 145.270 (Note 131.8 PL disabled for all nets)

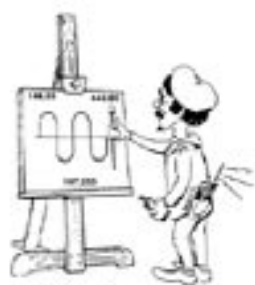
Whitley Co. Sunday: Sundays at 7:45 p.m. (0045 UTC) on 444.550 +. (The 146.460 simplex crossbanding from both nets has been dropped.)

Six Meter AM net (informal): Every Saturday night at 7:00 p.m. and Sunday at 8:30 p.m. on 50.580 MHz.

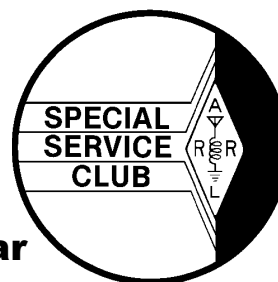
Allen County HamNews
PO BOX 10342
FORT WAYNE, IN 46851



TO:



W9INX/R



Activities Calendar

Date	Time	Event	Place
5/18/04	7:30 PM	ACARTS General Meeting	Salvation Army Center
5/14-5/16/04		Dayton Hamvention	Dayton, OH
5/21/04	6:30 PM	FWRC Spring Banquet	GSUMC
5/29/03	10:00 AM-8:00 PM	ARMAD SE Station	Wizard's Stadium
6/4/04		deadline for June ACHN items	
6/8/04	7:00 PM	FWRC Board Meeting	GSUMC
6/8/04	7:30 PM	ACARTS Board Meeting	Salvation Army Center
6/15/04	7:30 PM	ACARTS General Meeting	Salvation Army Center
6/18/04	7:00 PM	FWRC General Meeting	GSUMC
6/26-6/27/04		Field Day	McMillen Center
7/2/04		deadline for July ACHN items	
7/6/04	7:00 PM	FWRC Board Meeting	GSUMC
7/13/04	7:30 PM	ACARTS Board Meeting	Salvation Army Center